Course Syllabus

San José State University

College of Science, Department of Physics and Astronomy

Physics 2A: Fundamentals of Physics – Fall 2017

Welcome to Physics 2A!

<table>
<thead>
<tr>
<th>Lecture:</th>
<th>Fridays 8:00–9:20 am, Science Building 142</th>
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<tbody>
<tr>
<td>Lab Sections:</td>
<td>Lab Sections meet twice per week (see table below). <strong>You must attend both meetings.</strong></td>
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</table>
| Prerequisites: | Algebra  
(Recommended: Geometry & Trigonometry) |
| Course Materials: | Required: **Physics 2A Lab book** (hard copies available for $15 in the Physics Club room SCI 239)  
Required: You must purchase a **3-ring binder** for the lab book and other course materials  
Required: [Clicker Cloud](http://www.sjsu.edu/ecampus/teaching-tools/reef/index.html) account (see below)  
Recommended: [College Physics: A Models Approach I & II](available here on canvas) (available here on canvas)  
Optional: [Openstax College Physics (Free Online)](http://openstaxcollege.org/textbooks/college-physics) |
| Tutoring: | Available through CoSAC. Appointments can be made at [http://www.sjsu.edu/cosac/tutoring/](http://www.sjsu.edu/cosac/tutoring/) |

Course Information

In this course, we will explore fundamental physical phenomena, like freezing things or moving objects. Instead of "covering" topics and "presenting facts," we will make sense of these phenomena together using tools that physicists use: **models.**

Using what we know today about how people (including scientists!) learn, we have structured this course around collaborative discussions and lab activities that take place during lab sections. For this reason, we call our labs "Discussion/Labs" or DLs. In DLs, you will participate in various types of activities, experiments, and discussions in smaller and bigger groups. Between DL meetings,
you will practice, reflect, and prepare by doing homework assignments that we will elaborate together in DLs. The lecture is designed to allow all of us to get together as a community to reflect on what you experienced in the lab sections, and/or to provide some context for what you will be experiencing in lab.

Research in the learning sciences tells us that learning in isolation is difficult, if not impossible. Furthermore, future employers value collaboration skills and rarely evaluate employees solely on their individual performance. We think that people learn and perform best when they work together. Therefore, we not only have designed the course materials to rely heavily on your collaboration with each other (and with us instructors), but we will also use an assessment system that relies on your collaboration with your peers: Every assessment component (i.e., participation, quizzes, exams) will have a collaborative component, in which we ask you to work with classmates to solve problems. More details will be explained in a later section of the syllabus and in class.

### Instructor and Section Information

<table>
<thead>
<tr>
<th>Instructor</th>
<th>Class/Lab</th>
<th>Email/Phone</th>
<th>Office Location</th>
<th>Office Hours</th>
</tr>
</thead>
</table>
| Dr. Benedikt Harrer         | Lecture     | benedikt.harrer@sjsu.edu (mailto:benedikt.harrer@sjsu.edu)  
(408) 924-5284 (email preferred)  
salazarale97@gmail.com (mailto:salazarale97@gmail.com) | SCI 322         | Tue 12:00-1:00pm  
Fri 9:30-10:30am       |
| Alexandra Salazar (Assistant) | SCI 142     | c.nguyen168@gmail.com (mailto:c.nguyen168@gmail.com)  
manae.matsubara@sjsu.edu (mailto:manae.matsubara@sjsu.edu%20)  
victoria.hickman@sjsu.edu (mailto:victoria.hickman@sjsu.edu) |                 |                       |
| Clare Nguyen (Assistant)    | SCI 247     | cassandra.paul@sjsu.edu (mailto:cassandra.paul@sjsu.edu)  
peter.beyersdorf@sjsu.edu (mailto:peter.beyersdorf@sjsu.edu)  
manae.matsubara@sjsu.edu (mailto:manae.matsubara@sjsu.edu%20) | SCI 248         | Mon 11:00am-12:00pm  
Wed 3:00-4:00pm         |
<p>| Manae Matsubara (Assistant) | Lab Sec 11  | <a href="mailto:zairacsmith@gmail.com">zairacsmith@gmail.com</a> (<a href="mailto:zairacsmith@gmail.com">mailto:zairacsmith@gmail.com</a>) | SCI 233         | Thu 1:00pm-2:00pm     |
| Victoria Hickman (Assistant)| Lab Sec 12  |                                                   |                 |                       |</p>
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<tr>
<th>Name</th>
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<tr>
<td>Zairac Smith</td>
<td>MR 10:30-12:50</td>
<td><a href="mailto:araceli.lopezgaribay@sjsu.edu">mailto:araceli.lopezgaribay@sjsu.edu</a> <a href="mailto:maggietingwong@gmail.com">maggietingwong@gmail.com</a></td>
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<tr>
<td>Maggie Wong</td>
<td>SCI 247</td>
<td>(<a href="mailto:maggietingwong@gmail.com">mailto:maggietingwong@gmail.com</a>)</td>
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<tr>
<td>(Learning Assistant)</td>
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<tr>
<td>Alex Cho</td>
<td>Lab Sec 13</td>
<td><a href="mailto:kyojeon.cho@sjsu.edu">kyojeon.cho@sjsu.edu</a></td>
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<td>Alexander Salazar</td>
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<td>(Learning Assistant)</td>
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<tr>
<td>Christopher White</td>
<td>Lab Sec 14</td>
<td><a href="mailto:christopher.white02@sjsu.edu">christopher.white02@sjsu.edu</a></td>
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<td>MW 16:30-18:50</td>
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<td>Aeowyn Coakley</td>
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<td>Zairac Smith</td>
<td>Lab Sec 15</td>
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<td>SCI 319</td>
<td><a href="mailto:micheq11@gmail.com">micheq11@gmail.com</a></td>
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<td>Michelle Nguyen</td>
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<tr>
<td>Paul Houck</td>
<td>Lab Sec 16</td>
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<td>Amina Ahsan</td>
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Official Course Description

First semester of a two-semester sequence that is non-calculus based and covers the topics of mechanics, heat, and sound.

Course Webpage and Communication

All course materials such as syllabus (this page), handouts, notes, assignment instructions, etc. can be found on the Canvas learning management system course website. You are responsible for familiarizing yourself with assignments and due dates as listed on this site. Make sure that the email address that you have attached to canvas is one you check regularly, as we will use the Canvas notification system to communicate with each other.

Course Format

This course adopts an "interactive engagement" format, meaning that you will be actively participating in lectures and labs. In lecture, we will be using iClickerCloud as an in-class student response system. iClickerCloud gives everyone a chance to participate in such a large class. Participation with iClickerCloud will account for a large portion of your participation grade, which represents 10% of your overall grade (see below).

How to Request iClickerCloud for your Smart Phone/Mobile Device


For any questions regarding technical difficulties with the iClickerCloud app or a clicker device, please contact eCampus (mailto:eCampus@sjsu.edu) directly!

Lecture Attendance

Lecture attendance is important. We will be using classroom polling systems, and we will also often engage in whole class and small group discussions. I will often provide opportunities to earn participation points. It will not be possible to make up these participation points if you miss the class they are assigned in.
Please arrive on time to class. The room is crowded and it is distracting to your fellow students to clamber all over them to get an empty seat.

**If an illness or emergency causes you to miss an exam, please notify me ASAP.** Make-up exams may involve a portion where you will be required to solve problems on a blackboard.

**Discussion/Lab (DL) Attendance**

Attendance in DL is crucial to your success in this class. This is because DL is where you will be spending time observing phenomena, applying models, and making sense of your observations with your peers and instructors. In short, this is where you will be doing science!

**If you know ahead of time that you will miss a discussion lab meeting, let both me and your lab instructor know,** and we can either arrange for you to attend another lab section, and/or discuss how to make sure you are still prepared for the exams and homework. If you find that you have a situation that causes you to miss more than one or two classes, please contact me ASAP to figure out how to succeed in this course.

**If you already know that you will miss three or more meetings this semester, we would not recommend taking this course.**

**Electronic devices**

You may use calculators on all assignments (in-class, homework, and exams), unless otherwise specified. Please remember to keep your cell phone quiet (and stowed away) during class unless you are using it for classroom polling.

**Required Texts/Readings**

**Textbook**

PHYS 2A does not have a required textbook. However, you are required to purchase the Physics 2A lab manual. You **must purchase** the lab manual from the physics club in SCI 239.

The recommended textbooks for this class are "College Physics: A Models Approach I & II." These books are not available in stores, however, the publisher has agreed to give access to the College Physics: A Models Approach I & II materials via pdf on our canvas website. Those interested in a supplementary text may use the free online Physics textbook at Openstax, available here: [http://openstaxcollege.org/textbooks/college-physics](http://openstaxcollege.org/textbooks/college-physics), online resources, or any other algebra-based introductory college physics textbook. These resources will be helpful to you if you are interested in reading about different ways to understand the physics concepts we discuss in this course, but will not be directly helpful with problem-solving practices.

**Other equipment / material requirements**

You must purchase a **3-ring binder** for the lab. You can put your activity sheets in this binder and any notes you take during lab. This way, you are essentially building your own textbook/reference book as you go through the semester.

You must also have a **iClickerCloud account**. Instructions for obtaining this (for free) are discussed under the iClickerCloud section.

**Course Requirements and Assignments, and Grading Information**

**Grading Scheme**

https://sjlsu.instructure.com/courses/1241686/assignments/syllabus
The below course grading scheme will be followed for lecture. If your score on the final exam is higher than your score on the midterm, your final exam grade will replace your midterm grade. This allows you to improve a poor performance on the midterm. The final exam will cover much more material, so it may be difficult to do better on the final exam than the midterm. One exception to the replacement rule is that you may NOT replace a zero on the midterm. If you have an emergency that makes it impossible for you to attend the midterm exam, verification is required (example: doctor's note), and university policy will be strictly followed. Note that in the event that you fail the lab, you will automatically fail the course, regardless of what you earn in lecture. (The Discussion/Lab grading scheme is discussed under the heading “Discussion/Lab,” and all homework is a part of your Discussion/Lab grade.) This class will not be curved.

To determine your lecture grade, use the calculation on the left if you scored better on the midterm than the final, or the calculation on the right if you scored better on the final than the midterm:

\[
\begin{align*}
30\% & \text{ of your Average Quiz Grade} \\
30\% & \text{ of your Midterm Grade} \\
10\% & \text{ of your Participation Grade} \\
+30\% & \text{ of your Cumulative Final Exam} \\
\end{align*}
\]

Lecture grade

To determine your final Physics 2A course grade:

\[
\text{Lecture grade} \times \text{[Discussion/Lab multiplier]} = \text{Physics 2A course grade}
\]

Note that while the lecture and the discussion/lab are graded separately, they are combined at the end for one single Physics 2A course grade. Homework is graded as a part of Discussion/Lab. In order to determine your grade in the course, multiply your lecture grade by your DL multiplier (described in discussion/lab section). Due to technical limitations, Canvas only keeps track of your lecture grade and does not reflect your overall course grade.

**Participation**

We will use a polling system on your mobile device for this course. I will ask questions during lecture meetings, and you will get credit for answering them. When using iClickerCloud, I will always award points regardless of the correctness of the answer. I may offer other opportunities for participation points, either via canvas or in class.

Active participation during Discussion Lab meetings is required and will be assessed as part of your Discussion/Lab multiplier.

**Quizzes**

About 20-25 minutes of each lecture are devoted to a quiz. However, only six of these quizzes will be graded as noted on the schedule included at the end of this document (the even-numbered quizzes). **You will not be able to make up a missed quiz**, but I will drop your lowest quiz score when determining your quiz average. The quiz schedule is subject to change with reasonable notice.

**Midterm**

One of the purposes of the midterm is to give you an idea of the format of the final. The midterm for this class will be on Friday, October 13th at 8:00 am in lecture. It will take the entire class period.

**Final Exam**

Your final exam will be Thursday, December 14th at 7:15-9:30am in our lecture classroom (SCI 142). You will not be able to take the
exam early or late. **IF YOU CANNOT ATTEND THE FINAL EXAM DO NOT TAKE THIS COURSE.** If you have an emergency that makes it impossible for you to attend the final exam, verification is required (example: doctor's note), and university policy will be strictly followed.

**Extra Credit**

There is no extra credit for this course. This is final and there are no exceptions.

**Discussion Lab**

Every student must pass the lab during the same semester as the lecture course. **If you fail the lecture or the lab you will have to repeat both.** In Lab you will be graded on your completion of the homework, and your participation and leadership in the group activities. Your lab grade will be incorporated into your overall course grade in the following way:

**High Pass (HP)** Your course grade is multiplied by 1.05 (increased by 5%)

Requirements for HP:

- Must not have missed more than 1 homework assignments (this is equivalent to an unexcused missed lab)
- Must show consistent effort and leadership on a daily basis in class
- Class is better when you are there!
- The level of effort required to achieve a HP is so high that usually only 1 or 2 students per lab earn a HP.

**Mid-Pass (MP)** Your course grade is multiplied by 1.03 (increased by 3%)

- Must not have missed more than 2 homework assignments (this is equivalent to 2 unexcused missed labs)
- Must consistently be on task, and assisting group-mates during class on a daily basis
- Your group does better when you are there!
- The level of effort required to achieve a MP is high enough that usually only 3-5 students per lab earn one.

**Pass (P)** Does not change your Course grade

- Must not have missed more than 3 homework assignments (this is equivalent to 3 unexcused missed labs)
- Complete homework
- Participate in class and show consistent effort
- The vast majority of students will receive a P

**Low Pass (LP)** Your course grade is multiplied by 0.93 (decreased by 7%)

You will receive a LP if **any** of the following apply for you:

- Miss 4 homework assignments (this is equivalent to 4 unexcused missed labs)
- Achieve an average homework score below 75%
- You are not consistently showing effort in class

**Fail (F)** This means you've failed the lab, and thus also the course. You will receive an F if **any** of the following apply to you

- Miss 5 or more homework assignments (this is equivalent to 5 unexcused missed labs)
- Achieve an average homework score below 65%
- You are not consistently showing effort in class
Homework

There will be homework due before every Discussion Lab meeting. All homework assignments are posted on the canvas webpage, and all homework is due electronically: Homework MUST be scanned and uploaded to canvas AS A "pdf" FILE a minimum of 2 hours before your lab meeting (your lab instructor may require an earlier due time).


If you do not have access to a camera, smart phone, or scanner, scanners for public use are located (http://library.sjsu.edu/print-copy-scan/print-copy-scan) in the Periodicals section of the Lower Level and at 2nd Floor Reference of the King Library (http://library.sjsu.edu/). These scanners are used on a first-come-first-served basis, so please plan ahead. The deadlines for each homework assignment will be posted on the canvas webpage.

In general, each homework assignment will be graded complete (2 pts), partially complete (1 pt), and below expectation or missing (0 pts). There will be no intermediate grades.

Students who earn a ‘complete’ grade (2 pts), have met expectations; they have completed their homework carefully and thoughtfully, and have made an effort to show that they understand the material. While we are not looking for “right answers,” for homework assignments to receive a ‘complete’ grade, it is imperative to explicitly state your assumptions and create an argument for your response.

Students who earn a ‘partially complete’ grade have shown some thoughtfulness but have not made an effort to show the instructor that they understand the material; work may be messy or incomplete, assumptions may not be stated, an argument may not be convincing.

Students who do not show work but only provide final results to calculations or simple statement “answers” will earn no greater than a ‘partially complete’, and may earn zero points for the assignment.

Students who do not attempt some portion of the problems will earn a below expectation or missing grade of zero. If an assignment is going to be graded differently than stated above, your lab instructor will notify you ahead of time. If you miss a lab session without prior permission to make up the lab in a different section (see below), you will automatically receive a 0 on the corresponding homework assignment because your homework grade includes the element of discussion of that homework in class.

I strongly encourage you to work together on your homework. That said, mindless copying does not count as collaboration and will not be tolerated. You must be able to understand and defend anything you write on your assignment. There are spaces in the library for group work that you can reserve in advance. Instructions for how to do so can be found here (http://library.sjsu.edu/reserve-studymeting-room/reserve-studymeting-room).

Homework Tip 1: If you are stuck on a problem, do not leave it blank! Write the things you’ve tried, the questions you have, and why you can’t continue. If you can show that you’ve made some thoughtful progress, you will receive credit.

Homework Tip 2: Sometimes it’s easy to forget what you were thinking when you look back at old assignments. That’s part of why we’re asking you to be very explicit in providing your reasoning and argumentation. This can be as easy as annotating your homework with your own notes on your thought process before you turn it in. This will help graders understand what you are thinking, and it will give you an excellent study guide later.
Make-Up Policy

An absence will be considered "excused" if you are able to provide evidence for severe illness (i.e. a doctor's note) or another type of emergency. Note that each situation will be evaluated on a case by case basis. Therefore, communication with either me or your lab instructor is essential.

If you miss a discussion lab meeting (or know ahead of time that you must miss a discussion lab meeting) you must communicate with your discussion lab instructor immediately. It may be possible for you to make up one unexcused absence from discussion lab by attending another section. You will need to fill out a Lab Make-Up Form (see Information on How to Make-Up a Discussion Lab). It may be possible for you to make-up additional absences if you meet the criteria for an excused absence. If you already know that you will miss three or more meetings this semester, you might want to defer this course to a future semester.

How to succeed in this course

The critical thinking and communication skills you will learn and use in this class will help you regardless of your future career path. The physics principles you learn in this course apply to your other science courses, and we will help you make those connections. But more importantly, the process of coming up with creative solution strategies and creating sound arguments for a response to a question is essential for any scientific and technical profession. We will do everything we can to help you succeed, but we cannot learn the material or practice problem-solving skills for you. Therefore, it is essential that you take responsibility for your own learning process.

San José State University recommends 2 study hours per week per unit. This means that you should schedule at least 8 hours of time outside of class each week for doing physics. We strongly suggest breaking this up into at least three different chunks so that you are devoting some time (ideally) every day to physics. If you’ve done poorly in a math class before, or if you have never had high school physics, you will find that you will need to invest more time than that. If you miss class, you should schedule an additional 2-3 hours to cover on your own what you missed. Coming to office hours will help, but is not a substitute for coming to class. Studying and problem-solving in groups is essential to successful learning in science and therefore strongly recommended, but you should also schedule time to solve problems on your own. Most importantly: Do not fall behind! Every week builds on what we’ve done in the weeks before.

Office Hours

All instructors would love for you to attend office hours! Please stop in with any type of questions, be it homework (Tip: bring your homework assignment to office hours way before the due date!) or just general guidance. If the scheduled office hours do not work with your schedule, most instructors are happy to schedule an appointment with you. You may attend any instructor’s office hours regardless of what lab section you are in. Please do not wait until the last minute before an exam to request to schedule an appointment, our schedules fill up quickly and we will likely be unavailable.

Communication

The best way to get in touch with us outside of class or office hours is via email. However, we greatly prefer to answer content related questions in person, and depending on the nature of your question we may suggest that you attend office hours or schedule an appointment. If necessary, we’re happy to schedule virtual office hours via Zoom.

Course Goals

https://sjsu.instructure.com/courses/1241686/assignments/syllabus
GE/SJSU Studies Learning Outcomes

Upon successful completion of this course, students will be able to:

LO1: construct a logical argument based on evidence
LO2: communicate scientific ideas to peers and faculty

Course Content Learning Outcomes

Upon successful completion of this course, students will be able to:

LO3 relate elements of physics to other sciences
LO4 successfully engage in written problem solving
LO5 apply basic physics concepts related to the course topics

Course Schedule

<table>
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<tr>
<th>Lab Week</th>
<th>Dates/Lecture Exams</th>
<th>Discussion Lab Meeting (DLM)</th>
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<tr>
<td>Week 1: AUG 25</td>
<td>8/25-8/29</td>
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<td>9/6-9/7</td>
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<td>Week 3: SEP 8</td>
<td>9/8-9/12</td>
<td>DL 4</td>
</tr>
<tr>
<td>Quiz 2 (Graded)</td>
<td>9/13-9/14</td>
<td>DL 5</td>
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<tr>
<td>Week 4: SEP 15</td>
<td>9/15-9/19</td>
<td>DL 6</td>
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<tr>
<td>Quiz 3 (Practice)</td>
<td>9/20-9/21</td>
<td>DL 7</td>
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<tr>
<td>Week 5: SEP 22</td>
<td>9/22-9/26</td>
<td>DL 8</td>
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<tr>
<td>Quiz 4 (Graded)</td>
<td>9/27-9/28</td>
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<td>9/29-10/3</td>
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<tr>
<td>Quiz 5 (Practice)</td>
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<tr>
<td>Week 7: OCT 6</td>
<td>10/6-10/10</td>
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<td>Quiz 6 (Graded)</td>
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<td>10/13-10/17</td>
<td>DL 14</td>
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<td>MIDTERM</td>
<td>10/18-10/19</td>
<td>DL 15</td>
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<tr>
<td>Week 9: OCT 20</td>
<td>10/20-10/24</td>
<td>DL 16</td>
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<tr>
<td>Quiz 7 (Practice)</td>
<td>10/25-10/26</td>
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<tr>
<td>Week 10: OCT 27</td>
<td>10/27-10/31</td>
<td>DL 18</td>
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<tr>
<td>Quiz 8 (Graded)</td>
<td>11/1-11/2</td>
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<td>Week 11: NOV 3</td>
<td>11/2-11/7</td>
<td>DL 20</td>
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<td>Quiz 9 (Practice)</td>
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<td>Week 12: NOV 10</td>
<td>11/10-11/14</td>
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<td>No Lecture (Veteran's Day)</td>
<td>11/15-11/16</td>
<td>DL 22</td>
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<td>Week 13: NOV 17</td>
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<td>Quiz 10 (Graded)</td>
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<td>NOV 24</td>
<td>11/27-11/28</td>
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<td>No Lecture (Thanksgiving)</td>
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<td>Week 14: DEC 1</td>
<td>12/1-12/5</td>
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<td>Quiz 11 (Practice)</td>
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<td>Quiz 12 (Graded)</td>
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<td>Final Exam: DEC 14</td>
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<td>Cumulative;</td>
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<td>7:15-9:30am</td>
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</tbody>
</table>

### University Policies

Per University Policy S16-9, university-wide policy information relevant to all courses, such as academic integrity, accommodations, etc. will be available on Office of Graduate and Undergraduate Programs’ [Syllabus Information web page](http://www.sjsu.edu/gup/syllabusinfo/) at [http://www.sjsu.edu/gup/syllabusinfo/](http://www.sjsu.edu/gup/syllabusinfo/)

### Course Summary:

<table>
<thead>
<tr>
<th>Date</th>
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<tbody>
<tr>
<td>Fri Aug 25, 2017</td>
<td><a href="https://sjsu.instructure.com/calendar?event_id=1204346&amp;include_contexts=course_1241686">Week 1 Lecture</a> 8am to 9:20am</td>
</tr>
<tr>
<td></td>
<td><a href="https://sjsu.instructure.com/courses/1241686/assignments/4491930">Prep Assignment for Discussion/Lab Meeting 2: Please Read</a> due by 8:30am</td>
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<tr>
<td>Wed Aug 30, 2017</td>
<td><a href="https://sjsu.instructure.com/courses/1241686/assignments/4491930">Prep Assignment for Discussion/Lab Meeting 2: Please Read</a> due by 12pm</td>
</tr>
<tr>
<td></td>
<td><a href="https://sjsu.instructure.com/courses/1241686/assignments/4491930">Prep Assignment for Discussion/Lab Meeting 2: Please Read</a> due by 2:30pm</td>
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<tr>
<td></td>
<td><a href="https://sjsu.instructure.com/courses/1241686/assignments/4491948">Read the Syllabus</a> due by 11:59pm</td>
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</table>
Thu Aug 31, 2017

- Prep Assignment for Discussion/Lab Meeting 2: Please Read
  (https://sjisu.instructure.com/courses/1241686/assignments/4491930)
  (FA17: PHYS-2A Section 16)
  due by 6am

- Prep Assignment for Discussion/Lab Meeting 2: Please Read
  (https://sjisu.instructure.com/courses/1241686/assignments/4491930)
  (FA17: PHYS-2A Section 15)
  due by 6am

- Prep Assignment for Discussion/Lab Meeting 2: Please Read
  (https://sjisu.instructure.com/courses/1241686/assignments/4491930)
  (FA17: PHYS-2A Section 12)
  due by 8:30am

- Prep Assignment for Discussion/Lab Meeting 2: Please Read
  (https://sjisu.instructure.com/courses/1241686/assignments/4491930)
  (FA17: PHYS-2A Section 17)
  due by 12pm

- Prep Assignment for Discussion/Lab Meeting 2: Please Read
  (https://sjisu.instructure.com/courses/1241686/assignments/4491930)
  (FA17: PHYS-2A Section 19)
  due by 2:30pm

- Prep Assignment for Discussion/Lab Meeting 2: Please Read
  (https://sjisu.instructure.com/courses/1241686/assignments/4491930)
  (FA17: PHYS-2A Section 18)
  due by 2:30pm

- Getting to know you
  (https://sjisu.instructure.com/courses/1241686/assignments/4491899)
  due by 11:59pm

Fri Sep 1, 2017

- From Week 1 Lecture: Energy Story
  (https://sjisu.instructure.com/courses/1241686/assignments/4491909)
  due by 7:59am

- Week 2 Lecture
  (https://sjisu.instructure.com/calendar?event_id=1204345&include_contexts=course_1241686)
  8am to 9:20am

Wed Sep 6, 2017

- Prep Assignment for Discussion/Lab Meeting 3
  (https://sjisu.instructure.com/courses/1241686/assignments/4491931)
  (FA17: PHYS-2A Section 11)
  due by 8:30am

- Prep Assignment for Discussion/Lab Meeting 3
  (https://sjisu.instructure.com/courses/1241686/assignments/4491931)
  (FA17: PHYS-2A Section 13)
  due by 12pm

- Prep Assignment for Discussion/Lab Meeting 3
  (https://sjisu.instructure.com/courses/1241686/assignments/4491931)
  (FA17: PHYS-2A Section 14)
  due by 2:30pm

Thu Sep 7, 2017

- Prep Assignment for Discussion/Lab Meeting 3
  (https://sjisu.instructure.com/courses/1241686/assignments/4491931)
  (FA17: PHYS-2A Section 15)
  due by 6am

- Prep Assignment for Discussion/Lab Meeting 3
  (https://sjisu.instructure.com/courses/1241686/assignments/4491931)
  (FA17: PHYS-2A Section 16)
  due by 6am

- Prep Assignment for Discussion/Lab Meeting 3
  (https://sjisu.instructure.com/courses/1241686/assignments/4491931)
  (FA17: PHYS-2A Section 12)
  due by 8:30am

- Prep Assignment for Discussion/Lab Meeting 3
  (https://sjisu.instructure.com/courses/1241686/assignments/4491931)
  due by 12pm
Fri Sep 8, 2017

- Prep Assignment for Discussion/Lab Meeting 3
  (https://sjsu.instructure.com/courses/1241686/assignments/4491931)
  (FA17: PHYS-2A Section 18)
  due by 2:30pm

- Prep Assignment for Discussion/Lab Meeting 3
  (https://sjsu.instructure.com/courses/1241686/assignments/4491931)
  (FA17: PHYS-2A Section 19)
  due by 2:30pm

- Week 3 Lecture
  (https://sjsu.instructure.com/calendar?event_id=1204344&include_contexts=course_1241686)
  8am to 9:20am

- Quiz 2 (1st graded quiz)
  (https://sjsu.instructure.com/courses/1241686/assignments/4491944)
  due by 8am

Mon Sep 11, 2017

- Prep Assignment for Discussion/Lab Meeting 4
  (https://sjsu.instructure.com/courses/1241686/assignments/4491932)
  (FA17: PHYS-2A Section 11)
  due by 8:30am

- Prep Assignment for Discussion/Lab Meeting 4
  (https://sjsu.instructure.com/courses/1241686/assignments/4491932)
  (FA17: PHYS-2A Section 12)
  due by 8:30am

- Prep Assignment for Discussion/Lab Meeting 4
  (https://sjsu.instructure.com/courses/1241686/assignments/4491932)
  (FA17: PHYS-2A Section 13)
  due by 12pm

- Prep Assignment for Discussion/Lab Meeting 4
  (https://sjsu.instructure.com/courses/1241686/assignments/4491932)
  (FA17: PHYS-2A Section 14)
  due by 2:30pm

Tue Sep 12, 2017

- Prep Assignment for Discussion/Lab Meeting 4
  (https://sjsu.instructure.com/courses/1241686/assignments/4491932)
  (FA17: PHYS-2A Section 15)
  due by 6am

- Prep Assignment for Discussion/Lab Meeting 4
  (https://sjsu.instructure.com/courses/1241686/assignments/4491932)
  (FA17: PHYS-2A Section 16)
  due by 6am

- Prep Assignment for Discussion/Lab Meeting 4
  (https://sjsu.instructure.com/courses/1241686/assignments/4491932)
  (FA17: PHYS-2A Section 17)
  due by 12pm

- Prep Assignment for Discussion/Lab Meeting 4
  (https://sjsu.instructure.com/courses/1241686/assignments/4491932)
  (FA17: PHYS-2A Section 18)
  due by 2:30pm

- Prep Assignment for Discussion/Lab Meeting 4
  (https://sjsu.instructure.com/courses/1241686/assignments/4491932)
  (FA17: PHYS-2A Section 19)
  due by 2:30pm

- Prep Assignment for Discussion/Lab Meeting 5
  (https://sjsu.instructure.com/courses/1241686/assignments/4491933)
  (FA17: PHYS-2A Section 11)
  due by 8:30am

Wed Sep 13, 2017

- Prep Assignment for Discussion/Lab Meeting 5
  (https://sjsu.instructure.com/courses/1241686/assignments/4491933)
  (FA17: PHYS-2A Section 13)
  due by 12pm
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<tr>
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<td>Thu Sep 14, 2017</td>
<td>Prep Assignment for Discussion/Lab Meeting 5</td>
<td>due by 8:30am</td>
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<td>Thu Sep 14, 2017</td>
<td>Prep Assignment for Discussion/Lab Meeting 5</td>
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<td>due by 2:30pm</td>
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<td>Fri Sep 15, 2017</td>
<td>Prep Assignment for Discussion/Lab Meeting 6</td>
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Wed Sep 20, 2017

- Prep Assignment for Discussion/Lab Meeting 6
  (https://sjsu.instructure.com/courses/1241686/assignments/441934)
  (FA17: PHYS-2A Section 18)
  due by 2:30pm

- Prep Assignment for Discussion/Lab Meeting 6
  (https://sjsu.instructure.com/courses/1241686/assignments/441934)
  (FA17: PHYS-2A Section 19)
  due by 2:30pm

Thu Sep 21, 2017

- Prep Assignment for Discussion/Lab Meeting 7
  (https://sjsu.instructure.com/courses/1241686/assignments/441935)
  (FA17: PHYS-2A Section 11)
  due by 8:30am

- Prep Assignment for Discussion/Lab Meeting 7
  (https://sjsu.instructure.com/courses/1241686/assignments/441935)
  (FA17: PHYS-2A Section 13)
  due by 12pm

- Prep Assignment for Discussion/Lab Meeting 7
  (https://sjsu.instructure.com/courses/1241686/assignments/441935)
  (FA17: PHYS-2A Section 14)
  due by 2:30pm

Fri Sep 22, 2017

- Week 5 Lecture
  (https://sjsu.instructure.com/calendar?event_id=1204342&include_contexts=course_1241686)
  8am to 9:20am

- Quiz 4 (2nd graded quiz)
  (https://sjsu.instructure.com/courses/1241686/assignments/441945)
  due by 8am

- Prep Assignment for Discussion/Lab Meeting 8
  (https://sjsu.instructure.com/courses/1241686/assignments/441936)
  (FA17: PHYS-2A Section 11)
  due by 8:30am

- Prep Assignment for Discussion/Lab Meeting 8
  (https://sjsu.instructure.com/courses/1241686/assignments/441936)
  due by 8:30am
Mon Sep 25, 2017

- [Prep Assignment for Discussion/Lab Meeting 8](https://sjsu.instructure.com/courses/1241686/assignments/4491936) (FA17: PHYS-2A Section 12) due by 12pm
- [Prep Assignment for Discussion/Lab Meeting 8](https://sjsu.instructure.com/courses/1241686/assignments/4491936) (FA17: PHYS-2A Section 13) due by 2:30pm

Tue Sep 26, 2017

- [Prep Assignment for Discussion/Lab Meeting 8](https://sjsu.instructure.com/courses/1241686/assignments/4491936) (FA17: PHYS-2A Section 15) due by 6am
- [Prep Assignment for Discussion/Lab Meeting 8](https://sjsu.instructure.com/courses/1241686/assignments/4491936) (FA17: PHYS-2A Section 16) due by 6am
- [Prep Assignment for Discussion/Lab Meeting 8](https://sjsu.instructure.com/courses/1241686/assignments/4491936) (FA17: PHYS-2A Section 17) due by 12pm
- [Prep Assignment for Discussion/Lab Meeting 8](https://sjsu.instructure.com/courses/1241686/assignments/4491936) (FA17: PHYS-2A Section 18) due by 2:30pm
- [Prep Assignment for Discussion/Lab Meeting 8](https://sjsu.instructure.com/courses/1241686/assignments/4491936) (FA17: PHYS-2A Section 19) due by 2:30pm

Wed Sep 27, 2017

- [Prep Assignment for Discussion/Lab Meeting 9](https://sjsu.instructure.com/courses/1241686/assignments/4491937) (FA17: PHYS-2A Section 11) due by 8:30am
- [Prep Assignment for Discussion/Lab Meeting 9](https://sjsu.instructure.com/courses/1241686/assignments/4491937) (FA17: PHYS-2A Section 13) due by 12pm
- [Prep Assignment for Discussion/Lab Meeting 9](https://sjsu.instructure.com/courses/1241686/assignments/4491937) (FA17: PHYS-2A Section 14) due by 2:30pm

Thu Sep 28, 2017

- [Prep Assignment for Discussion/Lab Meeting 9](https://sjsu.instructure.com/courses/1241686/assignments/4491937) (FA17: PHYS-2A Section 16) due by 6am
- [Prep Assignment for Discussion/Lab Meeting 9](https://sjsu.instructure.com/courses/1241686/assignments/4491937) (FA17: PHYS-2A Section 15) due by 6am
- [Prep Assignment for Discussion/Lab Meeting 9](https://sjsu.instructure.com/courses/1241686/assignments/4491937) (FA17: PHYS-2A Section 12) due by 8:30am
- [Prep Assignment for Discussion/Lab Meeting 9](https://sjsu.instructure.com/courses/1241686/assignments/4491937) (FA17: Phys-2A Section 17) due by 12pm
- [Prep Assignment for Discussion/Lab Meeting 9](https://sjsu.instructure.com/courses/1241686/assignments/4491937) (FA17: Phys-2A Section 19) due by 2:30pm
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<tr>
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<tr>
<td>Fri Sep 29, 2017</td>
<td>Prep Assignment for Discussion/Lab Meeting 9</td>
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<td>Week 6 Lecture</td>
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<td>Calculate your Grade Quiz 2 (Graded) from Week 3</td>
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<td>Finals Conflict?</td>
<td>due by 11:59pm</td>
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<td>Mon Oct 2, 2017</td>
<td>Prep Assignment for Discussion/Lab Meeting 10</td>
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<td>Prep Assignment for Discussion/Lab Meeting 10</td>
<td>due by 12pm</td>
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<tr>
<td>Tue Oct 3, 2017</td>
<td>Prep Assignment for Discussion/Lab Meeting 10</td>
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<td>Wed Oct 4, 2017</td>
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<td>Prep Assignment for Discussion/Lab Meeting 11</td>
<td>due by 2:30pm</td>
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**Thu Oct 5, 2017**

- **Prep Assignment for Discussion/Lab Meeting 11**
  (https://sjsu.instructure.com/courses/1241686/assignments/4491914)
  (FA17: PHYS-2A Section 15)
  due by 6am

- **Prep Assignment for Discussion/Lab Meeting 11**
  (https://sjsu.instructure.com/courses/1241686/assignments/4491914)
  (FA17: PHYS-2A Section 16)
  due by 6am

- **Prep Assignment for Discussion/Lab Meeting 11**
  (https://sjsu.instructure.com/courses/1241686/assignments/4491914)
  (FA17: PHYS-2A Section 12)
  due by 8:30am

- **Prep Assignment for Discussion/Lab Meeting 11**
  (https://sjsu.instructure.com/courses/1241686/assignments/4491914)
  (FA17: PHYS-2A Section 17)
  due by 12pm

- **Prep Assignment for Discussion/Lab Meeting 11**
  (https://sjsu.instructure.com/courses/1241686/assignments/4491914)
  (FA17: PHYS-2A Section 18)
  due by 2:30pm

- **Prep Assignment for Discussion/Lab Meeting 11**
  (https://sjsu.instructure.com/courses/1241686/assignments/4491914)
  (FA17: PHYS-2A Section 19)
  due by 2:30pm

**Week 7 Lecture**
(https://sjsu.instructure.com/calendar?event_id=1204340&include_contexts=course_1241686)
8am to 9:20am

**Fri Oct 6, 2017**

- **Quiz 6 (3rd graded quiz)**
  (https://sjsu.instructure.com/courses/1241686/assignments/4491946)
  due by 8am

- **Prep Assignment for Discussion/Lab Meeting 11**
  (https://sjsu.instructure.com/courses/1241686/assignments/4491914)
  (FA17: PHYS-2A Section 11)
  due by 8:30am

**Mon Oct 9, 2017**

- **Prep Assignment for Discussion/Lab Meeting 12**
  (https://sjsu.instructure.com/courses/1241686/assignments/4491915)
  (FA17: PHYS-2A Section 12)
  due by 8:30am

- **Prep Assignment for Discussion/Lab Meeting 12**
  (https://sjsu.instructure.com/courses/1241686/assignments/4491915)
  (FA17: PHYS-2A Section 13)
  due by 12pm

- **Prep Assignment for Discussion/Lab Meeting 12**
  (https://sjsu.instructure.com/courses/1241686/assignments/4491915)
  (FA17: PHYS-2A Section 14)
  due by 2:30pm

**Tue Oct 10, 2017**

- **Prep Assignment for Discussion/Lab Meeting 12**
  (https://sjsu.instructure.com/courses/1241686/assignments/4491915)
  (FA17: PHYS-2A Section 15)
  due by 6am

- **Prep Assignment for Discussion/Lab Meeting 12**
  (https://sjsu.instructure.com/courses/1241686/assignments/4491915)
  (FA17: PHYS-2A Section 16)
  due by 6am

- **Prep Assignment for Discussion/Lab Meeting 12**
  (https://sjsu.instructure.com/courses/1241686/assignments/4491915)
  (FA17: PHYS-2A Section 17)
  due by 12pm

https://sjsu.instructure.com/courses/1241686/assignments/syllabus
Prep Assignment for Discussion/Lab Meeting 12
(due by 2:30pm)

Prep Assignment for Discussion/Lab Meeting 12
(due by 2:30pm)

Prep Assignment for Discussion/Lab Meeting 12
(due by 8:30am)

Prep Assignment for Discussion/Lab Meeting 13
(due by 12pm)

Prep Assignment for Discussion/Lab Meeting 13
(due by 2:30pm)

Prep Assignment for Discussion/Lab Meeting 13
(due by 6am)

Prep Assignment for Discussion/Lab Meeting 13
(due by 6am)

Prep Assignment for Discussion/Lab Meeting 13
(due by 8:30am)

Prep Assignment for Discussion/Lab Meeting 13
(due by 12pm)

Prep Assignment for Discussion/Lab Meeting 13
(due by 2:30pm)

Prep Assignment for Discussion/Lab Meeting 13
(due by 2:30pm)

Week 8: Midterm
(8am to 9:20am)

Midterm
(due by 8am)

Prep Assignment for Discussion/Lab Meeting 13
(due by 8:30am)

Prep Assignment for Discussion/Lab Meeting 14
(due by 8:30am)

Prep Assignment for Discussion/Lab Meeting 14
Tue Oct 17, 2017

- Prep Assignment for Discussion/Lab Meeting 14
  (https://sjsu.instructure.com/courses/1241686/assignments/4491917)
  (FA17: PHYS-2A Section 13)
  due by 12pm

- Prep Assignment for Discussion/Lab Meeting 14
  (https://sjsu.instructure.com/courses/1241686/assignments/4491917)
  (FA17: PHYS-2A Section 14)
  due by 2:30pm

- Prep Assignment for Discussion/Lab Meeting 14
  (https://sjsu.instructure.com/courses/1241686/assignments/4491917)
  (FA17: PHYS-2A Section 16)
  due by 6am

- Prep Assignment for Discussion/Lab Meeting 14
  (https://sjsu.instructure.com/courses/1241686/assignments/4491917)
  (FA17: PHYS-2A Section 15)
  due by 6am

- Prep Assignment for Discussion/Lab Meeting 14
  (https://sjsu.instructure.com/courses/1241686/assignments/4491917)
  (FA17: PHYS-2A Section 17)
  due by 12pm

- Prep Assignment for Discussion/Lab Meeting 14
  (https://sjsu.instructure.com/courses/1241686/assignments/4491917)
  (FA17: PHYS-2A Section 18)
  due by 2:30pm

- Prep Assignment for Discussion/Lab Meeting 14
  (https://sjsu.instructure.com/courses/1241686/assignments/4491917)
  (FA17: PHYS-2A Section 19)
  due by 2:30pm

Wed Oct 18, 2017

- Prep Assignment for Discussion/Lab Meeting 14
  (https://sjsu.instructure.com/courses/1241686/assignments/4491917)
  (FA17: PHYS-2A Section 11)
  due by 8:30am

- Prep Assignment for Discussion/Lab Meeting 15
  (https://sjsu.instructure.com/courses/1241686/assignments/4491918)
  (FA17: PHYS-2A Section 13)
  due by 12pm

- Prep Assignment for Discussion/Lab Meeting 15
  (https://sjsu.instructure.com/courses/1241686/assignments/4491918)
  (FA17: PHYS-2A Section 14)
  due by 2:30pm

- Prep Assignment for Discussion/Lab Meeting 15
  (https://sjsu.instructure.com/courses/1241686/assignments/4491918)
  (FA17: PHYS-2A Section 16)
  due by 6am

- Prep Assignment for Discussion/Lab Meeting 15
  (https://sjsu.instructure.com/courses/1241686/assignments/4491918)
  (FA17: PHYS-2A Section 15)
  due by 6am

- Prep Assignment for Discussion/Lab Meeting 15
  (https://sjsu.instructure.com/courses/1241686/assignments/4491918)
  (FA17: PHYS-2A Section 12)
  due by 8:30am

Thu Oct 19, 2017

- Prep Assignment for Discussion/Lab Meeting 15
  (https://sjsu.instructure.com/courses/1241686/assignments/4491918)
  (FA17: PHYS-2A Section 17)
  due by 12pm

- Prep Assignment for Discussion/Lab Meeting 15
  (https://sjsu.instructure.com/courses/1241686/assignments/4491918)
  (FA17: PHYS-2A Section 18)
  due by 2:30pm
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<td>Week 9 Lecture (due by 8:30am)</td>
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Prep Assignment for Discussion/Lab Meeting 18
(https://sjsu.instructure.com/courses/1241686/assignments/4491921)
(FA17: PHYS-2A Section 18)
due by 2:30pm

Prep Assignment for Discussion/Lab Meeting 18
(https://sjsu.instructure.com/courses/1241686/assignments/4491921)
(FA17: PHYS-2A Section 11)
due by 8:30am

Prep Assignment for Discussion/Lab Meeting 19
(https://sjsu.instructure.com/courses/1241686/assignments/4491922)
(FA17: PHYS-2A Section 13)
due by 12pm

Prep Assignment for Discussion/Lab Meeting 19
(https://sjsu.instructure.com/courses/1241686/assignments/4491922)
(FA17: PHYS-2A Section 14)
due by 2:30pm

Prep Assignment for Discussion/Lab Meeting 19
(https://sjsu.instructure.com/courses/1241686/assignments/4491922)
(FA17: PHYS-2A Section 15)
due by 6am

Prep Assignment for Discussion/Lab Meeting 19
(https://sjsu.instructure.com/courses/1241686/assignments/4491922)
(FA17: PHYS-2A Section 16)
due by 6am

Prep Assignment for Discussion/Lab Meeting 19
(https://sjsu.instructure.com/courses/1241686/assignments/4491922)
(FA17: PHYS-2A Section 12)
due by 8:30am

Prep Assignment for Discussion/Lab Meeting 19
(https://sjsu.instructure.com/courses/1241686/assignments/4491922)
(FA17: PHYS-2A Section 17)
due by 12pm

Prep Assignment for Discussion/Lab Meeting 19
(https://sjsu.instructure.com/courses/1241686/assignments/4491922)
(FA17: PHYS-2A Section 18)
due by 2:30pm

Week 11 Lecture
(https://sjsu.instructure.com/calendar?event_id=1204331&include_contexts=course_1241686)
8am to 9:20am

Prep Assignment for Discussion/Lab Meeting 19
(https://sjsu.instructure.com/courses/1241686/assignments/4491922)
(FA17: PHYS-2A Section 11)
due by 8:30am

Prep Assignment for Discussion/Lab Meeting 20
(https://sjsu.instructure.com/courses/1241686/assignments/4491923)
(FA17: PHYS-2A Section 12)
due by 8:30am

Prep Assignment for Discussion/Lab Meeting 20
(https://sjsu.instructure.com/courses/1241686/assignments/4491923)
(FA17: PHYS-2A Section 13)
due by 12pm

Prep Assignment for Discussion/Lab Meeting 20
(https://sjsu.instructure.com/courses/1241686/assignments/4491923)
(FA17: PHYS-2A Section 14)
due by 2:30pm
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**Veteran's Day (No Lecture)** [https://sjsu.instructure.com/calendar?event_id=1204726&include_contexts=course_1241686] 12am
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(FA17: PHYS-2A Section 11) | due by 8:30am |
| Wed Nov 15, 2017  | Prep Assignment for Discussion/Lab Meeting 22  
[https://sjsu.instructure.com/courses/1241686/assignments/4491925](https://sjsu.instructure.com/courses/1241686/assignments/4491925)  
(FA17: PHYS-2A Section 13) | due by 12pm |
|               | Prep Assignment for Discussion/Lab Meeting 22  
[https://sjsu.instructure.com/courses/1241686/assignments/4491925](https://sjsu.instructure.com/courses/1241686/assignments/4491925)  
(FA17: PHYS-2A Section 14) | due by 2:30pm |
|               | Prep Assignment for Discussion/Lab Meeting 22  
[https://sjsu.instructure.com/courses/1241686/assignments/4491925](https://sjsu.instructure.com/courses/1241686/assignments/4491925)  
(FA17: PHYS-2A Section 16) | due by 6am  |
|               | Prep Assignment for Discussion/Lab Meeting 22  
[https://sjsu.instructure.com/courses/1241686/assignments/4491925](https://sjsu.instructure.com/courses/1241686/assignments/4491925)  
(FA17: PHYS-2A Section 15) | due by 6am  |
| Thu Nov 16, 2017  | Prep Assignment for Discussion/Lab Meeting 22  
[https://sjsu.instructure.com/courses/1241686/assignments/4491925](https://sjsu.instructure.com/courses/1241686/assignments/4491925)  
(FA17: PHYS-2A Section 12) | due by 8:30am |
|               | Prep Assignment for Discussion/Lab Meeting 22  
[https://sjsu.instructure.com/courses/1241686/assignments/4491925](https://sjsu.instructure.com/courses/1241686/assignments/4491925)  
(FA17: PHYS-2A Section 17) | due by 12pm |
|               | Prep Assignment for Discussion/Lab Meeting 22  
[https://sjsu.instructure.com/courses/1241686/assignments/4491925](https://sjsu.instructure.com/courses/1241686/assignments/4491925)  
(FA17: PHYS-2A Section 18) | due by 2:30pm |
|               | Prep Assignment for Discussion/Lab Meeting 22  
[https://sjsu.instructure.com/courses/1241686/assignments/4491925](https://sjsu.instructure.com/courses/1241686/assignments/4491925)  
(FA17: PHYS-2A Section 19) | due by 2:30pm |
| Fri Nov 17, 2017  | Week 13 Lecture  
[https://sjsu.instructure.com/calendar?event_id=1204330&include_contexts=course_1241686](https://sjsu.instructure.com/calendar?event_id=1204330&include_contexts=course_1241686)  
| 8am to 9:20am  |
|               | Quiz 10 (5th graded quiz)  
[https://sjsu.instructure.com/courses/1241686/assignments/4491940](https://sjsu.instructure.com/courses/1241686/assignments/4491940)  
| due by 8am  |
|               | Prep Assignment for Discussion/Lab Meeting 22  
[https://sjsu.instructure.com/courses/1241686/assignments/4491925](https://sjsu.instructure.com/courses/1241686/assignments/4491925)  
(FA17: PHYS-2A Section 11) | due by 8:30am |
| Fri Nov 24, 2017  | Black Friday (No Lecture)  
[https://sjsu.instructure.com/calendar?event_id=1204329&include_contexts=course_1241686](https://sjsu.instructure.com/calendar?event_id=1204329&include_contexts=course_1241686)  
| 12am  |
|               | Prep Assignment for Discussion/Lab Meeting 23  
[https://sjsu.instructure.com/courses/1241686/assignments/4491926](https://sjsu.instructure.com/courses/1241686/assignments/4491926)  
(FA17: PHYS-2A Section 12) | due by 8:30am |
| Mon Nov 27, 2017  | Prep Assignment for Discussion/Lab Meeting 23  
[https://sjsu.instructure.com/courses/1241686/assignments/4491926](https://sjsu.instructure.com/courses/1241686/assignments/4491926)  
(FA17: PHYS-2A Section 13) | due by 12pm |
Tue Nov 28, 2017

- Prep Assignment for Discussion/Lab Meeting 23
  (https://sjsu.instructure.com/courses/1241686/assignments/4491926)
  (FA17: PHYS-2A Section 14)
due by 2:30pm

- Prep Assignment for Discussion/Lab Meeting 23
  (https://sjsu.instructure.com/courses/1241686/assignments/4491926)
  (FA17: PHYS-2A Section 16)
due by 6am

- Prep Assignment for Discussion/Lab Meeting 23
  (https://sjsu.instructure.com/courses/1241686/assignments/4491926)
  (FA17: PHYS-2A Section 15)
due by 6am

- Prep Assignment for Discussion/Lab Meeting 23
  (https://sjsu.instructure.com/courses/1241686/assignments/4491926)
  (FA17: PHYS-2A Section 17)
due by 12pm

- Prep Assignment for Discussion/Lab Meeting 23
  (https://sjsu.instructure.com/courses/1241686/assignments/4491926)
  (FA17: PHYS-2A Section 19)
due by 2:30pm

- Prep Assignment for Discussion/Lab Meeting 23
  (https://sjsu.instructure.com/courses/1241686/assignments/4491926)
  (FA17: PHYS-2A Section 18)
due by 2:30pm

Wed Nov 29, 2017

- Prep Assignment for Discussion/Lab Meeting 23
  (https://sjsu.instructure.com/courses/1241686/assignments/4491926)
  (FA17: PHYS-2A Section 11)
due by 8:30am

- Prep Assignment for Discussion/Lab Meeting 24
  (https://sjsu.instructure.com/courses/1241686/assignments/4491927)
  (FA17: PHYS-2A Section 13)
due by 12pm

- Prep Assignment for Discussion/Lab Meeting 24
  (https://sjsu.instructure.com/courses/1241686/assignments/4491927)
  (FA17: PHYS-2A Section 14)
due by 2:30pm

Thu Nov 30, 2017

- Prep Assignment for Discussion/Lab Meeting 24
  (https://sjsu.instructure.com/courses/1241686/assignments/4491927)
  (FA17: PHYS-2A Section 16)
due by 6am

- Prep Assignment for Discussion/Lab Meeting 24
  (https://sjsu.instructure.com/courses/1241686/assignments/4491927)
  (FA17: PHYS-2A Section 15)
due by 6am

- Prep Assignment for Discussion/Lab Meeting 24
  (https://sjsu.instructure.com/courses/1241686/assignments/4491927)
  (FA17: PHYS-2A Section 12)
due by 8:30am

- Prep Assignment for Discussion/Lab Meeting 24
  (https://sjsu.instructure.com/courses/1241686/assignments/4491927)
  (FA17: PHYS-2A Section 17)
due by 12pm

- Prep Assignment for Discussion/Lab Meeting 24
  (https://sjsu.instructure.com/courses/1241686/assignments/4491927)
  (FA17: PHYS-2A Section 19)
due by 2:30pm

- Prep Assignment for Discussion/Lab Meeting 24
  (https://sjsu.instructure.com/courses/1241686/assignments/4491927)
  (FA17: PHYS-2A Section 18)
due by 2:30pm
<table>
<thead>
<tr>
<th>Date</th>
<th>Event Name</th>
<th>Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fri Dec 1, 2017</td>
<td><strong>Week 14 Lecture</strong> (<a href="https://sjsu.instructure.com/calendar?event_id=1204328&amp;include_contexts=course_1241686">https://sjsu.instructure.com/calendar?event_id=1204328&amp;include_contexts=course_1241686</a>)</td>
<td>8am to 9:20am</td>
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<td><strong>Prep Assignment for Discussion/Lab Meeting 24</strong> (<a href="https://sjsu.instructure.com/courses/1241686/assignments/4491927">https://sjsu.instructure.com/courses/1241686/assignments/4491927</a>) (FA17: PHYS-2A Section 11)</td>
<td>due by 8:30am</td>
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<td><strong>Week 14 Lecture: Throwing a Ball</strong> (<a href="https://sjsu.instructure.com/courses/1241686/assignments/4491951">https://sjsu.instructure.com/courses/1241686/assignments/4491951</a>)</td>
<td>due by 9am</td>
</tr>
<tr>
<td>Mon Dec 4, 2017</td>
<td><strong>Prep Assignment for Discussion/Lab Meeting 25</strong> (<a href="https://sjsu.instructure.com/courses/1241686/assignments/4491928">https://sjsu.instructure.com/courses/1241686/assignments/4491928</a>) (FA17: PHYS-2A Section 12)</td>
<td>due by 8:30am</td>
</tr>
<tr>
<td></td>
<td><strong>Prep Assignment for Discussion/Lab Meeting 25</strong> (<a href="https://sjsu.instructure.com/courses/1241686/assignments/4491928">https://sjsu.instructure.com/courses/1241686/assignments/4491928</a>) (FA17: PHYS-2A Section 13)</td>
<td>due by 12pm</td>
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<td></td>
<td><strong>Prep Assignment for Discussion/Lab Meeting 25</strong> (<a href="https://sjsu.instructure.com/courses/1241686/assignments/4491928">https://sjsu.instructure.com/courses/1241686/assignments/4491928</a>) (FA17: PHYS-2A Section 14)</td>
<td>due by 2:30pm</td>
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<tr>
<td>Tue Dec 5, 2017</td>
<td><strong>Prep Assignment for Discussion/Lab Meeting 25</strong> (<a href="https://sjsu.instructure.com/courses/1241686/assignments/4491928">https://sjsu.instructure.com/courses/1241686/assignments/4491928</a>) (FA17: PHYS-2A Section 16)</td>
<td>due by 6am</td>
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<tr>
<td></td>
<td><strong>Prep Assignment for Discussion/Lab Meeting 25</strong> (<a href="https://sjsu.instructure.com/courses/1241686/assignments/4491928">https://sjsu.instructure.com/courses/1241686/assignments/4491928</a>) (FA17: PHYS-2A Section 15)</td>
<td>due by 6am</td>
</tr>
<tr>
<td></td>
<td><strong>Prep Assignment for Discussion/Lab Meeting 25</strong> (<a href="https://sjsu.instructure.com/courses/1241686/assignments/4491928">https://sjsu.instructure.com/courses/1241686/assignments/4491928</a>) (FA17: PHYS-2A Section 17)</td>
<td>due by 12pm</td>
</tr>
<tr>
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<td><strong>Prep Assignment for Discussion/Lab Meeting 25</strong> (<a href="https://sjsu.instructure.com/courses/1241686/assignments/4491928">https://sjsu.instructure.com/courses/1241686/assignments/4491928</a>) (FA17: PHYS-2A Section 19)</td>
<td>due by 2:30pm</td>
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<td><strong>Prep Assignment for Discussion/Lab Meeting 25</strong> (<a href="https://sjsu.instructure.com/courses/1241686/assignments/4491928">https://sjsu.instructure.com/courses/1241686/assignments/4491928</a>) (FA17: PHYS-2A Section 18)</td>
<td>due by 2:30pm</td>
</tr>
<tr>
<td>Wed Dec 6, 2017</td>
<td><strong>Prep Assignment for Discussion/Lab Meeting 25</strong> (<a href="https://sjsu.instructure.com/courses/1241686/assignments/4491928">https://sjsu.instructure.com/courses/1241686/assignments/4491928</a>) (FA17: PHYS-2A Section 11)</td>
<td>due by 8:30am</td>
</tr>
<tr>
<td></td>
<td><strong>Prep Assignment for Discussion/Lab Meeting 26</strong> (<a href="https://sjsu.instructure.com/courses/1241686/assignments/4491929">https://sjsu.instructure.com/courses/1241686/assignments/4491929</a>) (FA17: PHYS-2A Section 13)</td>
<td>due by 12pm</td>
</tr>
<tr>
<td></td>
<td><strong>Prep Assignment for Discussion/Lab Meeting 26</strong> (<a href="https://sjsu.instructure.com/courses/1241686/assignments/4491929">https://sjsu.instructure.com/courses/1241686/assignments/4491929</a>) (FA17: PHYS-2A Section 14)</td>
<td>due by 2:30pm</td>
</tr>
<tr>
<td></td>
<td><strong>Prep Assignment for Discussion/Lab Meeting 26</strong> (<a href="https://sjsu.instructure.com/courses/1241686/assignments/4491929">https://sjsu.instructure.com/courses/1241686/assignments/4491929</a>) (FA17: PHYS-2A Section 16)</td>
<td>due by 6am</td>
</tr>
<tr>
<td>Date</td>
<td>Assignment/Event</td>
<td>Due Time</td>
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<tr>
<td>Thu Dec 7, 2017</td>
<td><strong>Prep Assignment for Discussion/Lab Meeting 26</strong> (<a href="https://sisu.instructure.com/courses/1241686/assignments/4491929">https://sisu.instructure.com/courses/1241686/assignments/4491929</a>) (FA17: PHYS-2A Section 15)</td>
<td>due by 6am</td>
</tr>
<tr>
<td></td>
<td><strong>Prep Assignment for Discussion/Lab Meeting 26</strong> (<a href="https://sisu.instructure.com/courses/1241686/assignments/4491929">https://sisu.instructure.com/courses/1241686/assignments/4491929</a>) (FA17: PHYS-2A Section 12)</td>
<td>due by 8:30am</td>
</tr>
<tr>
<td></td>
<td><strong>Prep Assignment for Discussion/Lab Meeting 26</strong> (<a href="https://sisu.instructure.com/courses/1241686/assignments/4491929">https://sisu.instructure.com/courses/1241686/assignments/4491929</a>) (FA17: PHYS-2A Section 17)</td>
<td>due by 12pm</td>
</tr>
<tr>
<td></td>
<td><strong>Prep Assignment for Discussion/Lab Meeting 26</strong> (<a href="https://sisu.instructure.com/courses/1241686/assignments/4491929">https://sisu.instructure.com/courses/1241686/assignments/4491929</a>) (FA17: PHYS-2A Section 19)</td>
<td>due by 2:30pm</td>
</tr>
<tr>
<td></td>
<td><strong>Prep Assignment for Discussion/Lab Meeting 26</strong> (<a href="https://sisu.instructure.com/courses/1241686/assignments/4491929">https://sisu.instructure.com/courses/1241686/assignments/4491929</a>) (FA17: PHYS-2A Section 18)</td>
<td>due by 2:30pm</td>
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<td><strong>Week 15 Lecture</strong> (<a href="https://sisu.instructure.com/calendar?event_id=1204327&amp;include_contexts=course_1241686">https://sisu.instructure.com/calendar?event_id=1204327&amp;include_contexts=course_1241686</a>)</td>
<td>8am to 9:20am</td>
</tr>
<tr>
<td>Fri Dec 8, 2017</td>
<td><strong>Quiz 12 (6th graded quiz)</strong> (<a href="https://sisu.instructure.com/courses/1241686/assignments/4491941">https://sisu.instructure.com/courses/1241686/assignments/4491941</a>)</td>
<td>due by 8am</td>
</tr>
<tr>
<td></td>
<td><strong>Prep Assignment for Discussion/Lab Meeting 26</strong> (<a href="https://sisu.instructure.com/courses/1241686/assignments/4491929">https://sisu.instructure.com/courses/1241686/assignments/4491929</a>) (FA17: PHYS-2A Section 11)</td>
<td>due by 8:30am</td>
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<td><strong>Quiz 12 Group Portion</strong> (<a href="https://sisu.instructure.com/courses/1241686/assignments/4491942">https://sisu.instructure.com/courses/1241686/assignments/4491942</a>)</td>
<td>due by 9:20am</td>
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<td><strong>Quiz 12 Individual Portion</strong> (<a href="https://sisu.instructure.com/courses/1241686/assignments/4491943">https://sisu.instructure.com/courses/1241686/assignments/4491943</a>)</td>
<td>due by 9:20am</td>
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<tr>
<td>Mon Dec 11, 2017</td>
<td><strong>Prep Assignment for Discussion/Lab Meeting 27</strong> (<a href="https://sisu.instructure.com/courses/1241686/assignments/4491938">https://sisu.instructure.com/courses/1241686/assignments/4491938</a>) (FA17: PHYS-2A Section 12)</td>
<td>due by 8:30am</td>
</tr>
<tr>
<td></td>
<td><strong>Prep Assignment for Discussion/Lab Meeting 27</strong> (<a href="https://sisu.instructure.com/courses/1241686/assignments/4491938">https://sisu.instructure.com/courses/1241686/assignments/4491938</a>) (FA17: PHYS-2A Section 13)</td>
<td>due by 12pm</td>
</tr>
<tr>
<td></td>
<td><strong>Prep Assignment for Discussion/Lab Meeting 27</strong> (<a href="https://sisu.instructure.com/courses/1241686/assignments/4491938">https://sisu.instructure.com/courses/1241686/assignments/4491938</a>) (FA17: PHYS-2A Section 14)</td>
<td>due by 2:30pm</td>
</tr>
<tr>
<td></td>
<td><strong>Prep Assignment for Discussion/Lab Meeting 27</strong> (<a href="https://sisu.instructure.com/courses/1241686/assignments/4491938">https://sisu.instructure.com/courses/1241686/assignments/4491938</a>) (FA17: PHYS-2A Section 16)</td>
<td>due by 6am</td>
</tr>
<tr>
<td></td>
<td><strong>Prep Assignment for Discussion/Lab Meeting 27</strong> (<a href="https://sisu.instructure.com/courses/1241686/assignments/4491938">https://sisu.instructure.com/courses/1241686/assignments/4491938</a>) (FA17: PHYS-2A Section 15)</td>
<td>due by 6am</td>
</tr>
<tr>
<td></td>
<td><strong>Prep Assignment for Discussion/Lab Meeting 27</strong> (<a href="https://sisu.instructure.com/courses/1241686/assignments/4491938">https://sisu.instructure.com/courses/1241686/assignments/4491938</a>) (FA17: PHYS-2A Section 17)</td>
<td>due by 12pm</td>
</tr>
</tbody>
</table>
Tue Dec 12, 2017

 Prep Assignment for Discussion/Lab Meeting 27
(https://sjsu.instructure.com/courses/1241686/assignments/4491938)
(FA17: PHYS-2A Section 19)
due by 2:30pm

 Prep Assignment for Discussion/Lab Meeting 27
(https://sjsu.instructure.com/courses/1241686/assignments/4491938)
(FA17: PHYS-2A Section 18)
due by 2:30pm

 Make-Up Quiz
(https://sjsu.instructure.com/courses/1241686/assignments/4491910)
due by 11:59pm

Wed Dec 13, 2017

 Prep Assignment for Discussion/Lab Meeting 27
(https://sjsu.instructure.com/courses/1241686/assignments/4491938)
(FA17: PHYS-2A Section 11)
due by 8:30am

 Prep Assignment for Meeting 28
(https://sjsu.instructure.com/courses/1241686/assignments/4491939)
(FA17: PHYS-2A Section 13)
due by 12pm

 Prep Assignment for Meeting 28
(https://sjsu.instructure.com/courses/1241686/assignments/4491939)
(FA17: PHYS-2A Section 14)
due by 2:30pm

 Extra Credit Participation Points
(https://sjsu.instructure.com/courses/1241686/assignments/4491898)
due by 11:59pm

 Thu Dec 14, 2017

 Prep Assignment for Meeting 28
(https://sjsu.instructure.com/courses/1241686/assignments/4491939)
(FA17: PHYS-2A Section 16)
due by 6am

 Prep Assignment for Meeting 28
(https://sjsu.instructure.com/courses/1241686/assignments/4491939)
(FA17: PHYS-2A Section 15)
due by 6am

 Final Exam
(https://sjsu.instructure.com/calendar?event_id=1204727&include_contexts=course_1241686)
7:15am to 9:30am

 Prep Assignment for Meeting 28
(https://sjsu.instructure.com/courses/1241686/assignments/4491939)
(FA17: PHYS-2A Section 12)
due by 8:30am

 Final Exam Group Portion Page 1 (salmon)
(https://sjsu.instructure.com/courses/1241686/assignments/4491903)
due by 9:30am

 Final Exam Group Portion Page 2 (blue)
(https://sjsu.instructure.com/courses/1241686/assignments/4491904)
due by 9:30am

 Final Exam Group Portion Page 3 (dark yellow)
(https://sjsu.instructure.com/courses/1241686/assignments/4491905)
due by 9:30am

 Final Exam Individual Portion Page 1 (white)
(https://sjsu.instructure.com/courses/1241686/assignments/4491906)
due by 9:30am

 Final Exam Individual Portion Page 2 (green)
(https://sjsu.instructure.com/courses/1241686/assignments/4491907)
due by 9:30am

 Final Exam Individual Portion Page 3 (light yellow)
(https://sjsu.instructure.com/courses/1241686/assignments/4491908)
due by 9:30am
Prep Assignment for Meeting 28  
(https://sjsu.instructure.com/courses/1241686/assignments/4491939)  
(FA17: PHYS-2A Section 17)  
due by 12pm

Prep Assignment for Meeting 28  
(https://sjsu.instructure.com/courses/1241686/assignments/4491939)  
(FA17: PHYS-2A Section 19)  
due by 2:30pm

Prep Assignment for Meeting 28  
(https://sjsu.instructure.com/courses/1241686/assignments/4491939)  
(FA17: PHYS-2A Section 18)  
due by 2:30pm

Cumulative Final Exam  
(https://sjsu.instructure.com/courses/1241686/assignments/4491901)  
due by 11:59pm

Fri Dec 15, 2017

Prep Assignment for Meeting 28  
(https://sjsu.instructure.com/courses/1241686/assignments/4491939)  
(FA17: PHYS-2A Section 11)  
due by 8:30am

Cumulative Lab Grade  
(https://sjsu.instructure.com/courses/1241686/assignments/4491902)

iClicker Point Accumulator  
(https://sjsu.instructure.com/courses/1241686/assignments/4491949)

Overall Cumulative Course Grade  
(https://sjsu.instructure.com/courses/1241686/assignments/4491912)

Upload Part 3 of quiz (group portion)  
(https://sjsu.instructure.com/courses/1241686/assignments/4491950)